

Title (en)  
FLUORESCENCE DETECTION INSTRUMENT WITH ORTHOGONAL LASER ENTRY

Title (de)  
FLUORESSENZDETEKTIONSINSTRUMENT MIT ORTHOGONALEM LASEREINGANG

Title (fr)  
INSTRUMENT DE DÉTECTION DE FLUORESCENCE AYANT UNE ENTRÉE DE LASER ORTHOGONALE

Publication  
**EP 2400892 B1 20200325 (EN)**

Application  
**EP 10746895 A 20100226**

Priority  
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• US 15606309 P 20090227

Abstract (en)  
[origin: WO2010099417A1] A detector assembly for analysis of light, an optical alignment assembly for introducing an output beam into a demultiplexer, and demultiplexing a beam into wavelength bands. The detector assembly includes an optical alignment assembly to introduce an output beam into an array of filters. The optical alignment assembly is mounted orthogonally to a plane of reflective light. The array includes filters arranged in two rows. Each filter transmits a wavelength of the output beam and reflects the remaining wavelengths to the next filter. The array includes detectors in detector ports. The optical alignment assembly includes a housing that receives an optical fiber, a collimating lens, a rotatable housing member with a beam reflecting element. The optical alignment assembly is adjustable, utilizing rotational and goniometric tilt mechanisms to ensure the point of entry of a beam into the array remains fixed despite the rotation or tilt of the rotatable housing member.

IPC 8 full level  
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